

GAGARIN COSMONAUT TRAINING CENTRE DELEGATION
VISITING CENTRE FOR SPACE MEDICINE
29 October – 2 November 2012

AIMs

- SKTech proposal clarification and detalisation through interaction with UCL experts
- Meeting and discussing potential topics of collaboration with UCL experts
- Plan for steps forward in the collaboration UCL – GCTC

DELEGATION FROM GAGARIN COSMONAUT TRAINING CENTER (GCTC):

- Dr Oleg Ryumin - Head of the Laboratory for Medical and Psychological Support of the Cosmonauts
- Svetlana Andreeva - Psychologist
- Zhanna Shevchenko - Lead Psychologist

PRELIMINARY AGENDA

Dr Oleg Ryumin will give a presentation about the current work in the Lab, “The cosmonaut selection and training medical and psychological support”.

DAY 1: 29 Oct 2012		
09:30	Meet at the Reception in Grafton	Dr Iya Whiteley
10:00-12:00	Near Infrared for VIIP Optical equipment for crew monitoring Can anything be used in crew selection?	Prof Clare Elwell, Professor of Medical Physics, Group Lead, Near Infrared Spectroscopy Group http://www.medphys.ucl.ac.uk/~celwell/ Terence Leung, Biomedical Optics https://sites.google.com/site/terenceleungucl/
LUNCH BREAK		
14:00-16:30	Voice Analysis as a tool to assess crew mental state	Dr Andy Faulkner, Head of Research Department Speech Hearing and Phonetics Sciences https://www.ucl.ac.uk/psychlangsci/research/speech/Research-People/Andy_home
DAY 2: 30 Oct 2012		
09:30	Meet at the Reception in Grafton	Dr Iya Whiteley
10:00-12:00	Cardiovascular MR: fast MRI is real-time imaging for crew selection, monitoring, exercise regime adjustments and long-term health benefit	Dr. Vivek Muthurangu, Group Lead, Imaging: Vascular Imaging & Physics UCL Institute of Cardiovascular Science http://www.ucl.ac.uk/cardiovascular/themes/imaging/vascular_imaging_physics
LUNCH BREAK		
14:00-16:00	fMRI scan results to determine some aspects of crew future	Prof Geraint Rees, Director of UCL Institute of Cognitive Neuroscience

	behaviour and performance: use in selection and professional development	http://www.fil.ion.ucl.ac.uk/~grees/styled/page20/index.html
DAY 3: 31 Oct 2012		
10:00	Meet at Bath Spa station	Dr Iya Whiteley
10:30-13:00	SkTech proposal	Dr Iya Whiteley, Deputy Director, Centre for Space Medicine, MSSL
<i>WORKING LUNCH</i>		
17:00	Train to Paddington	
DAY 4: 1 Nov 2012		
08:30	Meet at the Reception in Grafton	Dr Iya Whiteley
09:00-12:30	Parallels between medical surgeon and cosmonauts abilities, attitudes and selection methods Latest selection methods	Prof Chris McManus Professor of Psychology and Medical Education http://www.ucl.ac.uk/medical-education/
12:30-14:30	Travel to MSSL	
<i>WORKING LUNCH</i>		
15:00-17:00	SkTech proposal Plan for steps forward in the collaboration CSM – GCTC teams	Prof Alan Smith, Director of MSSL https://iris.ucl.ac.uk/research/personal?upi=ASMIT51 Prof Louise Harra, Professor of Solar Physics, Medical Data Mining and predictions of cardiac arrest project http://www.mssl.ucl.ac.uk/~lkh/ Dr Kevin Fong, Director of CSM, Consultant in Anaesthesia UCL Hospital http://www.ucl.ac.uk/anaesthesia/people/fong
17:00	Travel back to hotel	
DAY 5: 2 Nov 2012		
09:30-11:30	Capturing CSM-GCTC Collaboration Momentum and Next Steps	Dr Iya Whiteley, Deputy Director, Centre for Space Medicine, MSSL
11:30-14:30	British Interplanetary Society visit	Nick Spall
<i>WORKING LUNCH</i>		
15:00-17:00	Latest innovations in Psychometrics Organisational psychology; psychometrics, especially personality assessment; cross-cultural psychology	Prof Adrian Furnham http://www.ucl.ac.uk/psychlangsci/staff/cehp-staff/a_furnham http://adrianfurnham.com/